

## IN THE CLAIMS

Please amend Claims 1, 10, and 20, and add Claims 26-30, to read as follows.

1. (Currently Amended) An electron-emitting apparatus comprising:  
an electron-emitting device including a first electrode, a second electrode that is provided so as to be insulated from the first electrode, and an electron-emitting film ~~electrically connected~~ attached to the second electrode and insulated from the first electrode; and  
an anode provided at a predetermined distance from the electron-emitting film,  
wherein the first electrode, the second electrode, and the electron-emitting film oppose the anode,  
such that a distance between the anode and the electron-emitting film is longer than a distance between the anode and the second electrode, and  
a distance between the anode and the first electrode is longer than the distance between the anode and the electron-emitting film.

2. (Previously Presented) An electron-emitting apparatus according to Claim 1, further comprising a first voltage applying means for applying, to the anode, a potential that is higher than potentials applied to the first electrode and the second electrode.

3. (Previously Presented) An electron-emitting apparatus according to Claim 1, further comprising a second voltage applying means for applying a voltage between the first electrode and the second electrode.

4. (Original) An electron-emitting apparatus according to Claim 3, wherein when electrons are emitted from the electron-emitting film, a potential applied to the first electrode is set so as to be at least equal to a potential applied to the second electrode.

5. (Original) An electron-emitting apparatus according to Claim 3, wherein when no electrons are emitted from the electron-emitting film, a potential applied to the first electrode is set so as to be below a potential applied to the second electrode.

6. (Original) An electron-emitting apparatus according to Claim 1, wherein the electron-emitting film includes carbon or a carbon compound.

7. (Original) An electron-emitting apparatus according to Claim 6,

wherein said carbon or said carbon compound includes at least one of diamond like carbon, graphite, diamond, a carbon nanotube, a graphitic nanofiber, and fullerene.

8. (Original) An electron source that is formed by arranging a plurality of electron-emitting apparatuses of any one of claims 1 to 7 and emits electrons from at least one of the plurality of electron-emitting apparatuses according to an input signal.

9. (Original) An image-forming apparatus comprising:  
the electron source of Claim 8; and  
an image forming member on which an image is formed by  
irradiation with electrons emitted from the electron source.

10. (Currently Amended) An electron-emitting device comprising:  
a first electrode arranged on a surface of a substrate;  
an insulating layer arranged on the first electrode;  
a second electrode arranged on the insulating layer; and  
a film comprising fibers including carbon as a main ingredient  
arranged on the second electrode, each fiber including graphens stacked along an axial  
direction of the fiber,

wherein the second electrode has two side surfaces that oppose each other in a direction substantially parallel to the surface of the substrate, and the ~~electron-~~emitting film is arranged so as to be shifted close to one of the two side surfaces.

11.-15. (Cancelled)

16. (Previously Presented) An electron-emitting device according to Claim 10,

wherein electrons are emitted from the film when a potential applied to the first electrode is set so as to be at least equal to a potential applied to the second electrode.

17. (Previously Presented) An electron-emitting device according to Claim 10,

wherein no electrons are emitted from the electron-emitting film when a potential applied to the first electrode is set so as to be below a potential applied to the second electrode.

18. (Previously Presented) An electron source in which are arranged a plurality of electron-emitting devices of any one of claims 10, 16 and 17.

19. (Original) An image-forming apparatus comprising:  
the electron source of Claim 18; and  
a phosphor.
20. (Currently Amended) An electron emitting-apparatus comprising:  
a first electrode arranged on a surface of a substrate;  
an insulating layer arranged on the first electrode;  
a second electrode arranged on the insulating layer;  
a film comprising fibers, including carbon as a main ingredient,  
arranged on the second electrode;  
an anode disposed at a distance from the film, the first electrode, the  
insulating layer, the second electrode and the substrate;  
a first power source for applying a necessary electric field, to cause  
an electron emission from the fibers, between the anode and ~~a cathode~~ the second  
electrode; and  
a second power source for applying a necessary electric field, to stop  
the electron emission from the fibers, between the first electrode and the second electrode.
21. (Previously Presented) An electron-emitting apparatus according to  
Claim 20, wherein

said first power source forms an electric field necessary for causing the electron emission from the fibers, by applying to said anode a voltage higher than a voltage applied to said second electrode and said first electrode, and

said second power source forms an electric field necessary for stopping the electron emission from the fibers, by applying to said first electrode a voltage lower than a voltage applied to said second electrode.

22. (Previously Presented) An electron-emitting apparatus according to Claim 20, wherein each fiber is a carbon nanotube.

23. (Previously Presented) An electron-emitting apparatus according to Claim 20, wherein each fiber comprises a plurality of graphens stacked around an axial direction of said fiber.

24. (Previously Presented) An electron source that is formed by arranging a plurality of electron-emitting apparatuses, each being an electron-emitting apparatus according to any one of Claims 20 to 23, and which emits electrons from at least one of the plurality of electron-emitting apparatuses according to an input signal.

25. (Previously Presented) An image forming apparatus comprising:  
the electron source of Claim 24; and

an image forming member on which an image is formed by irradiation with electrons emitted from the electron source.

26. (New) An electron-emitting apparatus comprising:
- a substrate having a first electrode and a second electrode;
  - an anode disposed at a distance from the substrate;
  - an electron-emitting film, facing the anode, attached to a surface of the second electrode;
  - a first power source for applying a necessary electric field, to cause an electron emission from the electron-emitting film, between the anode and the second electrode; and
  - a second power source for applying a necessary electric field, to stop the electron emission from the electron-emitting film, between the first and the second electrode,
- wherein a distance between the first electrode and the anode is larger than a distance between the second electrode and the anode.

27. (New) An electron-emitting apparatus according to claim 26, wherein

said first power source forms an electric field necessary for causing the electron emission from the electron-emitting film, by applying to said anode a voltage higher than a voltage applied to said second electrode and said first electrode, and

said second power source forms an electric field necessary for stopping the electron emission from the electron-emitting film, by applying to said first electrode a voltage lower than a voltage applied to said second electrode.

28. (New) An electron-emitting apparatus according to claim 26,  
wherein

said electron-emitting film comprises fibers including carbon.

29. (New) An electron-emitting apparatus according to claim 28,  
wherein

each fiber includes graphens stacked along an axial direction of the fiber.

30. (New) An image forming apparatus comprising:  
a plurality of the electron-emitting apparatuses, each being an electron-emitting apparatus according to any one of claims 26 to 29, and wherein each emits electrons from at least one of the plurality of electron-emitting apparatuses according to an input signal; and



phosphors which emit light by irradiation with electrons emitted  
from the electron-emitting film.